Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	07/23/2020 09:58 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	02/04/2020 09:45 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020 (Expired)
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123843	-1	2.84	123829	2.82
Blue	F	SSC	125000	123131	-2	2.37	123846	2.38
Blue	E	FITC	15892	15247	-5	3.04	331	20.82
Blue	D	PE	29999	28926	-4	2.16	628	15.29
Blue	B	PerCP-Cy5-5	43732	43495	-1	3.81	1168	21.10
Blue	A	PE-Cy7	30845	30867	0	6.41	587	42.31
Red	C	APC	46112	45780	-1	2.57	1615	12.26
Red	A	APC-Cy7	30458	29764	-3	2.46	788	12.23
Violet	B	V450	7918	7576	-5	4.24	437	12.74
Violet	A	V500	32171	31463	-3	3.94	739	10.23

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17165	13.62	634	13	N/A	N/A	Pass
Blue	F	SSC	56707	1.74	574	15	N/A	N/A	Pass
Blue	E	FITC	60	65.51	549	6	0.0184	114	Pass
Blue	D	PE	132	50.47	555	7	0.1460	242	Pass
Blue	B	PerCP-Cy5-5	215	50.39	663	7	0.0083	21	Pass
Blue	A	PE-Cy7	109	104.54	706	8	0.0102	16	Pass
Red	C	APC	386	25.39	590	6	0.0239	138	Pass
Red	A	APC-Cy7	173	29.25	560	4	0.0053	918	Pass
Violet	B	V450	66	58.01	464	6	0.0542	2108	Pass
Violet	A	V500	111	30.67	480	6	0.0230	421	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.57	47.98 - 71.98	N/A	N/A	-32.90	-32.20	0.96
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.41
Red	16.55	13.60 - 20.40	N/A	N/A	29.76	30.20	1.18

Window Extension: 7.00
FSC Area Scaling Factor: 0.85

Threshold

Threshold (FSC): 9751

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments